

# SEQUENCE LISTING

<110> REBOUD-RAVAUX, MICHELE  
 BERNARD, ELISE  
 PAPAPOSTOLOU, DAVID  
 VANDERESSE, REGIS

<120> Novel Proteasome Modulators

<130> 045636-5084-US

<140> 10/583,282

<141> 2006-06-16

<150> PCT/FR2004/003283

<151> 2004-12-17

<150> FR 0314958

<151> 2003-12-18

<160> 38

<170> PatentIn version 3.4

<210> 1

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<400> 1

Xaa Val Thr Tyr Asp Tyr  
 1 5

<210> 2

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<400> 2

Xaa Ile Ser Tyr Asp Tyr  
1 5

<210> 3

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<400> 3

Xaa Val Ser Tyr Lys Phe  
1 5

<210> 4

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<400> 4

Xaa Ile Thr Phe Asp Tyr  
1 5

<210> 5

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 5

Xaa Ile Thr Tyr Lys Phe  
1 5

<210> 6  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 6

Xaa Ile Thr Tyr Glu Tyr  
1 5

<210> 7  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 7

Xaa Ile Thr Tyr Asp Phe  
1 5

<210> 8  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 8

Xaa Val Thr Tyr Lys Leu  
1 5

<210> 9  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 9

Xaa Val Thr Tyr Lys Tyr  
1 5

<210> 10  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 10

Xaa Val Thr Phe Lys Phe  
1 5

<210> 11  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 11

Xaa Ile Thr Tyr Asp Leu  
1 5

<210> 12  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 12

Xaa Ile Thr Phe Asp Tyr  
1 5

<210> 13  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 13

Xaa Val Thr Phe Lys Phe  
1 5

<210> 14

<211> 7  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<400> 14

Xaa Val Thr Phe Tyr Lys Phe  
1 5

<210> 15  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 15

Xaa Val Thr Xaa Lys Phe  
1 5

<210> 16  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 16

Xaa Val Thr Xaa Lys Tyr  
1                    5

<210> 17  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 17

Xaa Val Thr Xaa Lys Leu  
1                    5

<210> 18  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 18

Xaa Val Thr Xaa Asp Phe  
1 5

<210> 19  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 19

Xaa Val Thr Xaa Asp Tyr  
1 5

<210> 20  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 20

Xaa Val Thr Xaa Asp Leu  
1 5

<210> 21  
<211> 6



<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 21

Xaa Ile Thr Xaa Lys Phe  
1 5

<210> 22  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 22

Xaa Ile Thr Xaa Lys Tyr  
1 5

<210> 23  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 23

Xaa Ile Thr Xaa Lys Leu  
1 5

<210> 24  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 24

Xaa Ile Thr Xaa Asp Phe  
1 5

<210> 25  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE

<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 25

Xaa Ile Thr Xaa Asp Tyr  
1 5

<210> 26  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 26

Xaa Ile Thr Xaa Asp Leu  
1 5

<210> 27  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 27

Xaa Val Thr Xaa Glu Phe  
1 5

<210> 28  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 28

Xaa Val Thr Xaa Glu Tyr  
1 5

<210> 29  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 29

Xaa Val Thr Xaa Glu Leu  
1 5

<210> 30  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 30

Xaa Ile Thr Xaa Glu Phe  
1 5

<210> 31  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 31

Xaa Ile Thr Xaa Glu Tyr  
1 5

<210> 32  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa = Para-benzoyl Phe

<400> 32

Xaa Ile Thr Xaa Glu Leu

1 5

<210> 33

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa = Para-benzoyl Phe

<400> 33

Xaa Val Thr Xaa Asn Phe

1 5

<210> 34

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa = Para-benzoyl Phe

<400> 34

Xaa Val Thr Xaa Asn Tyr  
1 5

<210> 35

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa = Para-benzoyl Phe

<400> 35

Xaa Val Thr Xaa Asn Leu  
1 5

<210> 36

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic molecule

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = Chemically modified Thr

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa = Para-benzoyl Phe

<400> 36

Xaa Ile Thr Xaa Asn Phe  
1 5

<210> 37

<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 37

Xaa Ile Thr Xaa Asn Tyr  
1 5

<210> 38  
<211> 6  
<212> PRT  
<213> Artificial

<220>  
<223> Synthetic molecule

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa = Chemically modified Thr

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> Xaa = Para-benzoyl Phe

<400> 38

Xaa Ile Thr Xaa Asn Leu  
1 5

